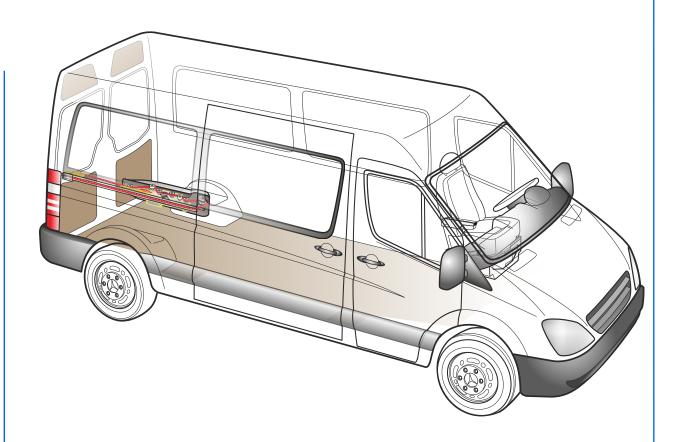


Mercedes Sprinter VW CRAFTER



ASD Automatic Sliding Door

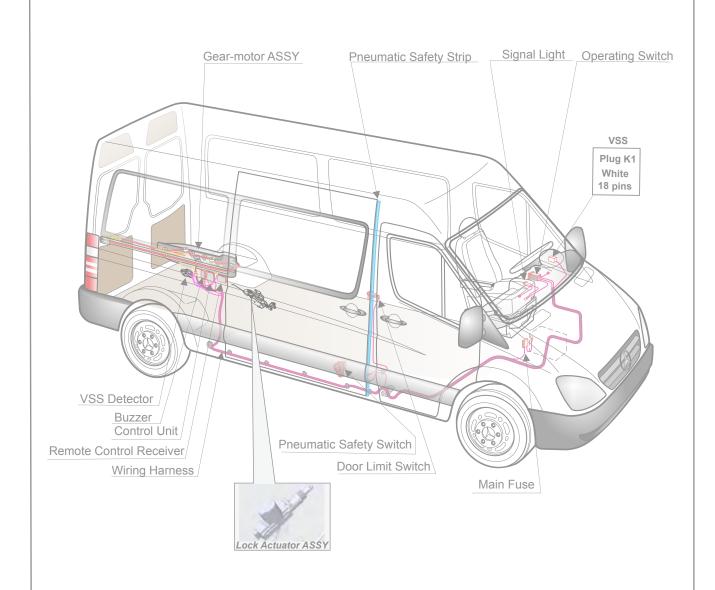
PN: 015-0003-DL Kombi standard (wheelbase-3.665) Kombi long and super long (wheelbase-4.325)

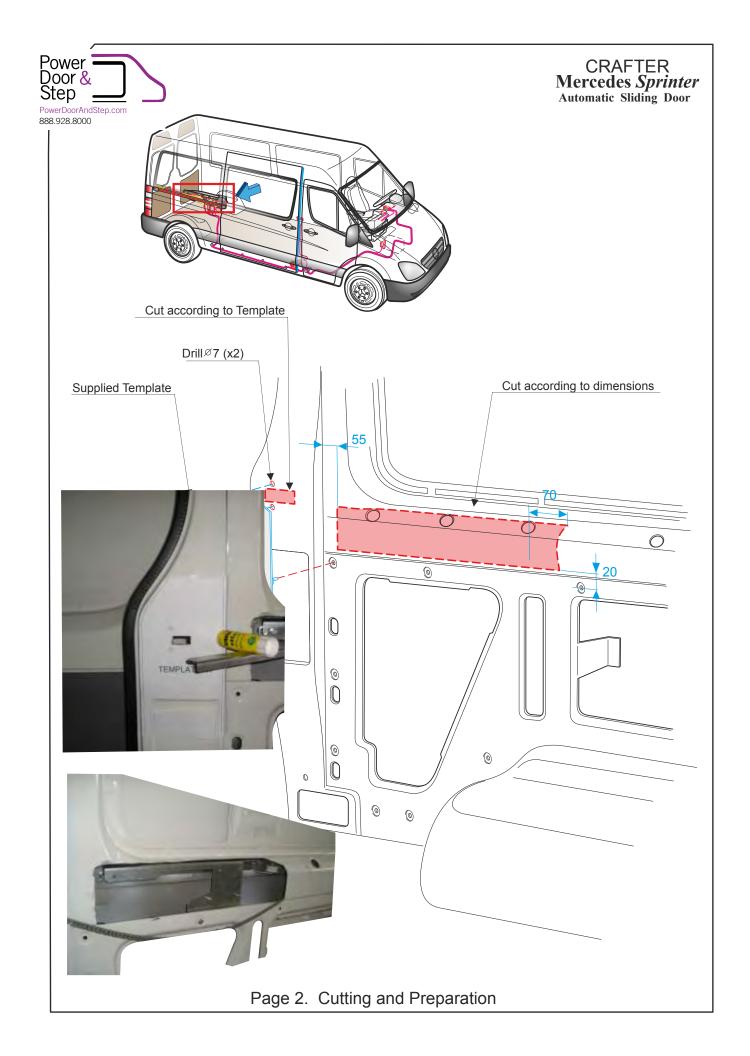
Original Door latch mechanism & operation with handles

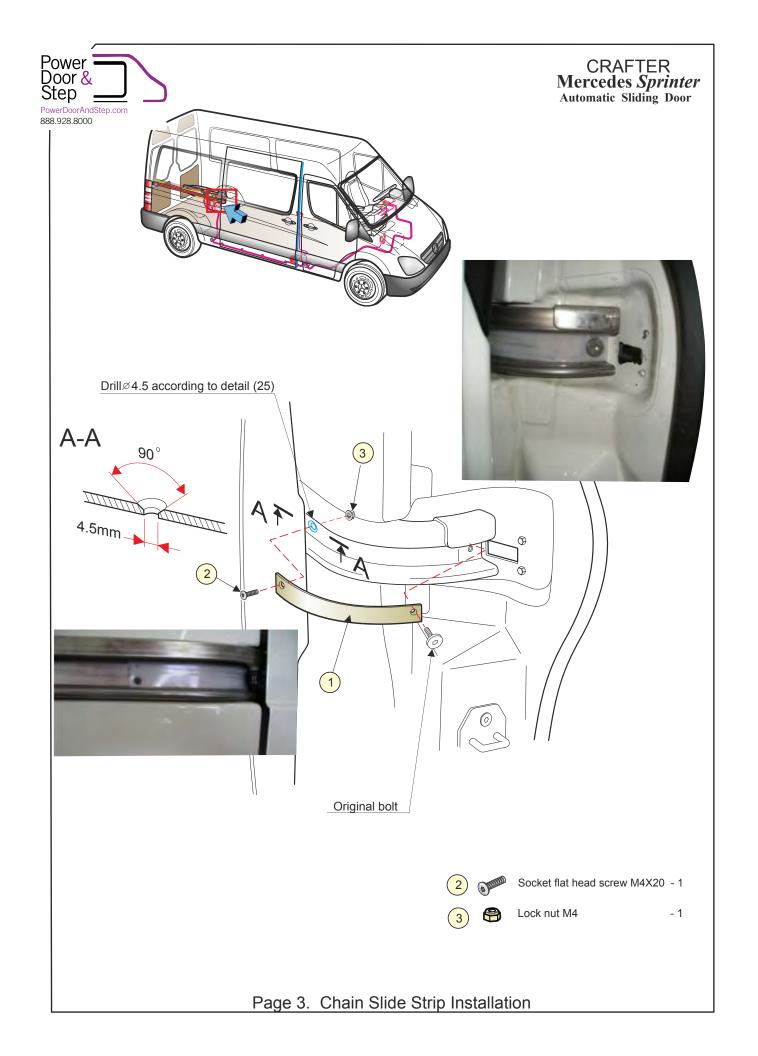
Recommendation

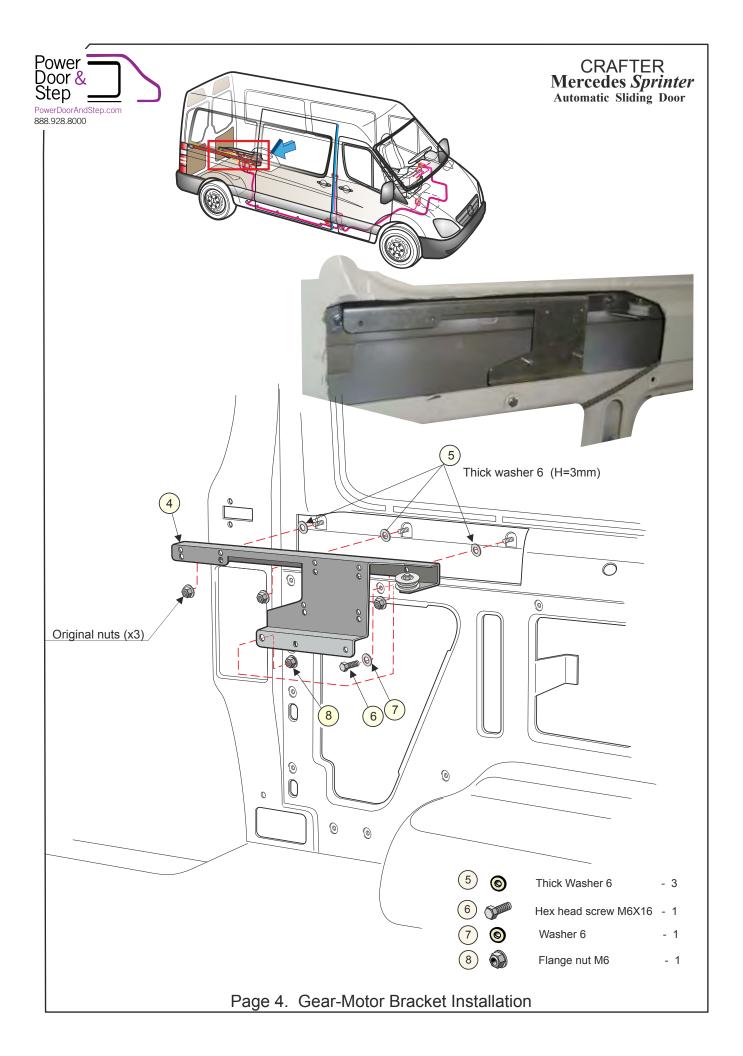
Please print this instruction manual in color

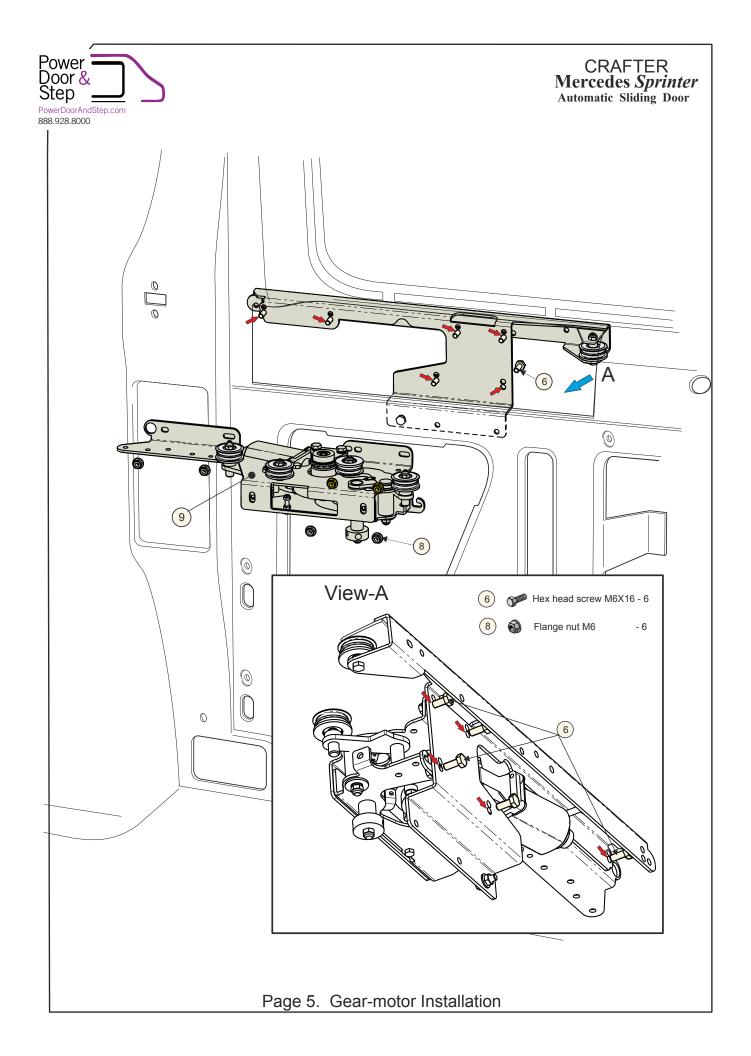


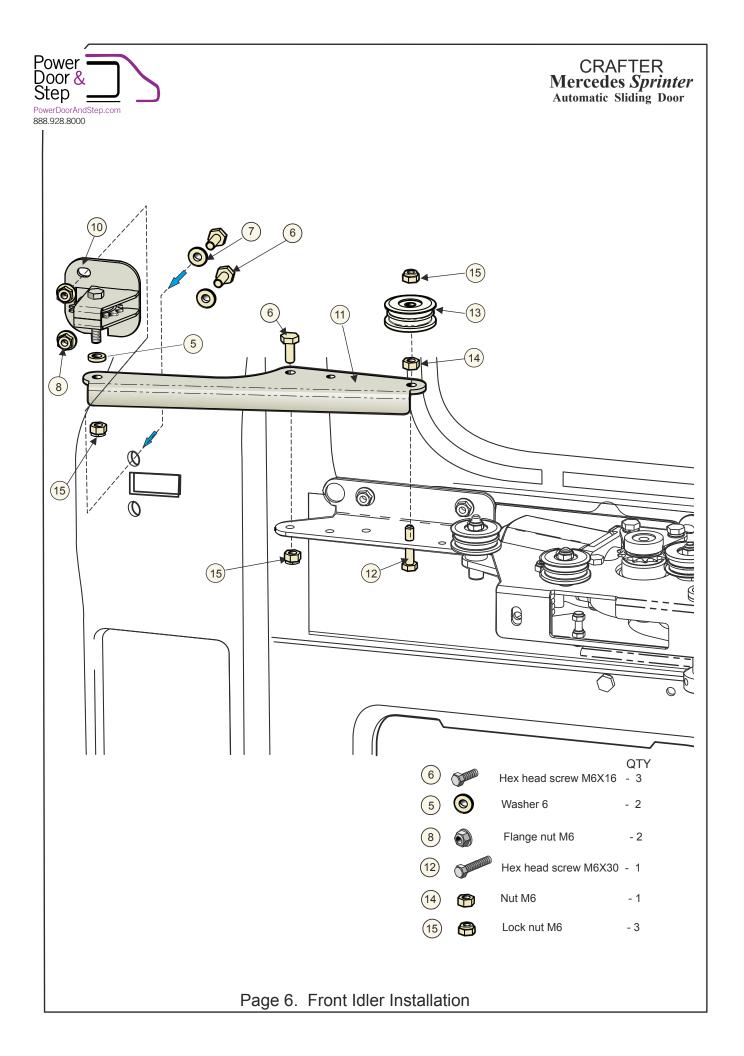


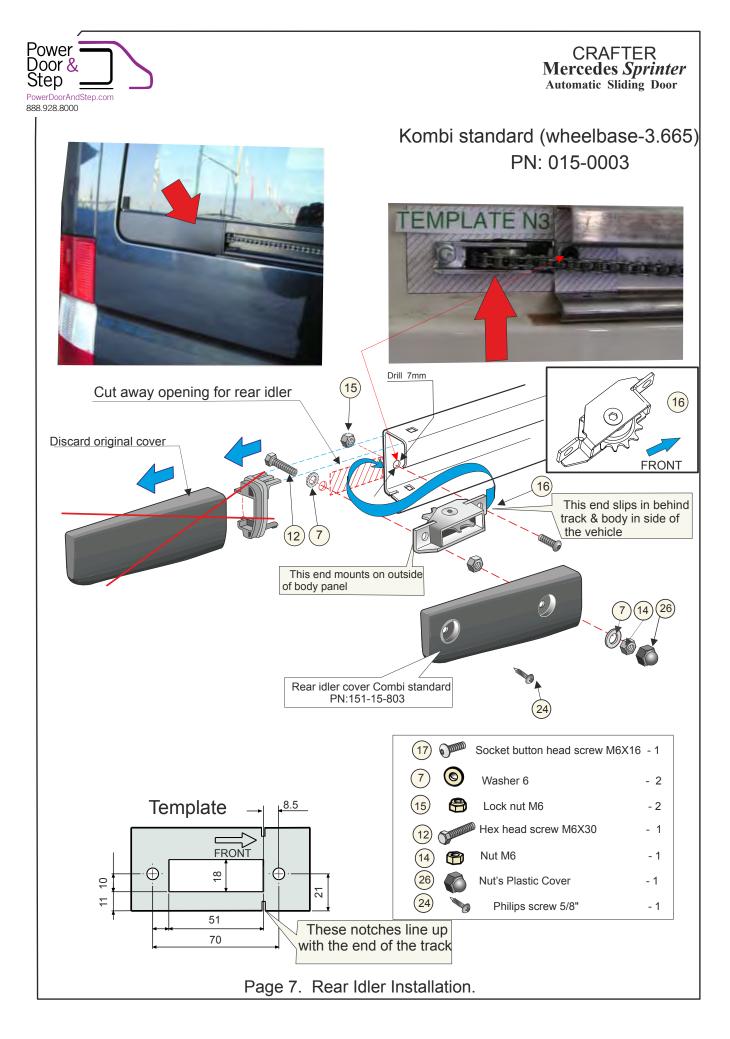














CRAFTER Mercedes Sprinter Automatic Sliding Door

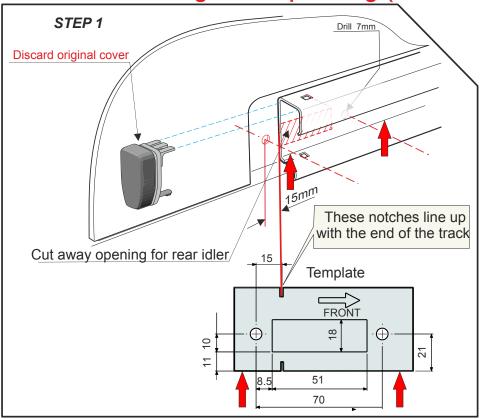
Kombi standard (wheelbase-3.665) PN: 015-0003

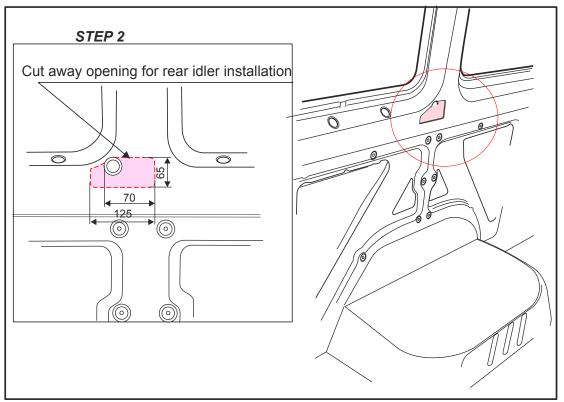


Page 8. Roller Chain Installation



Kombi long and super long (wheelbase-4.325)

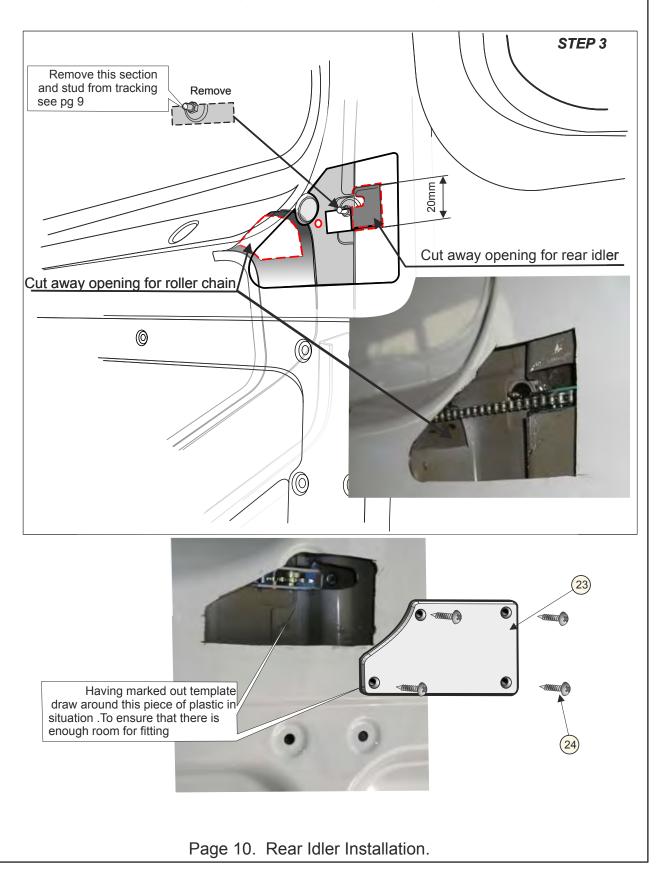




Page 9. Rear Idler Installation.



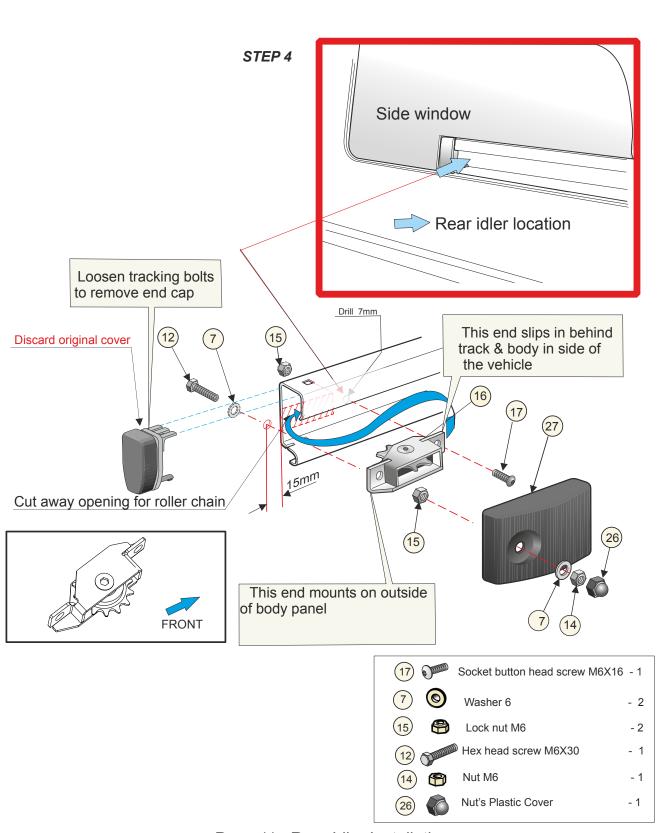
Kombi long and super long (wheelbase-4.325)



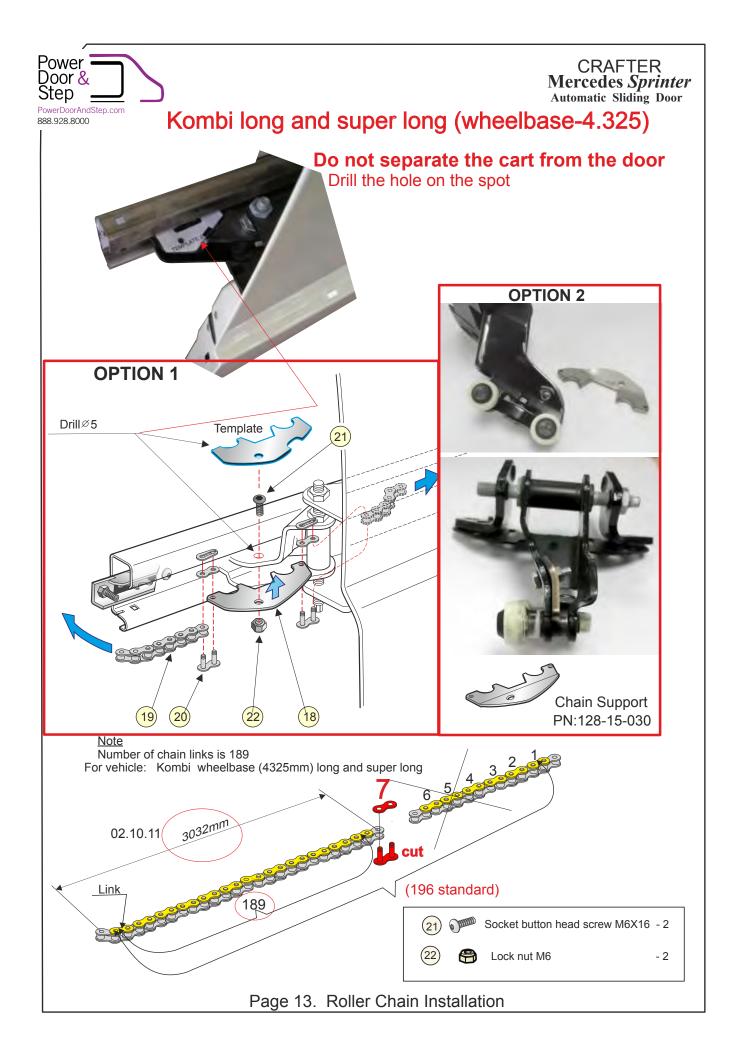
Power Spoor &

Step

Kombi long and super long (wheelbase-4.325)



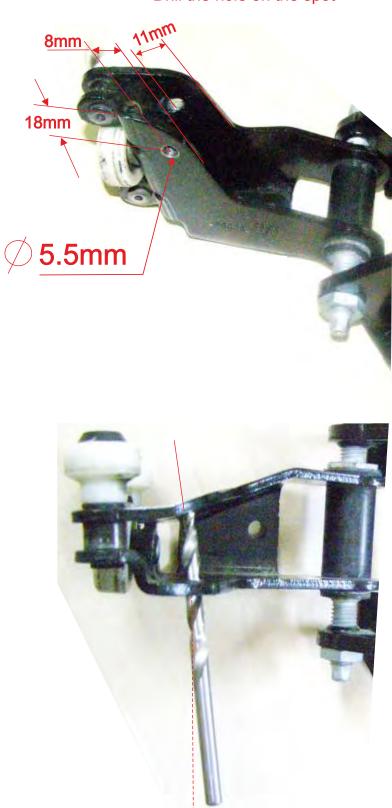
Page 11. Rear Idler Installation





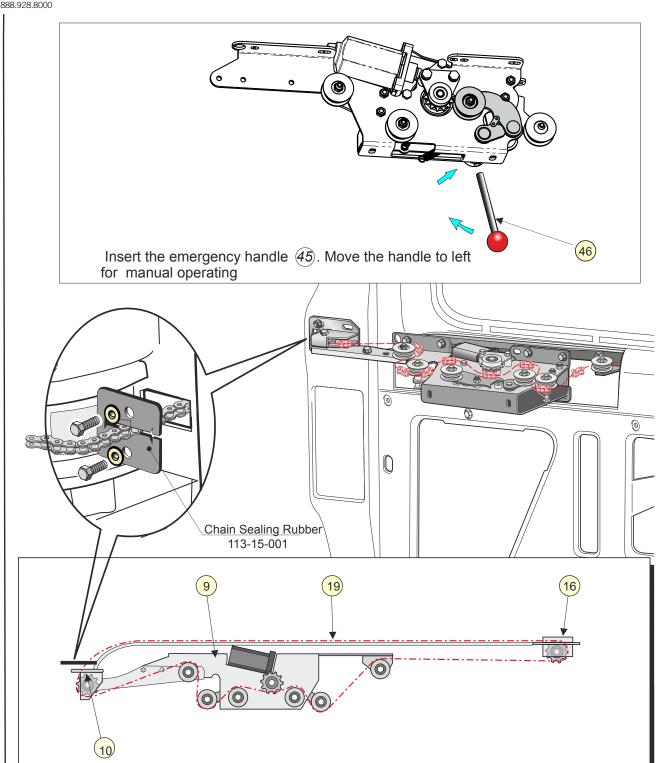
Do not separate the cart from the door

Drill the hole on the spot

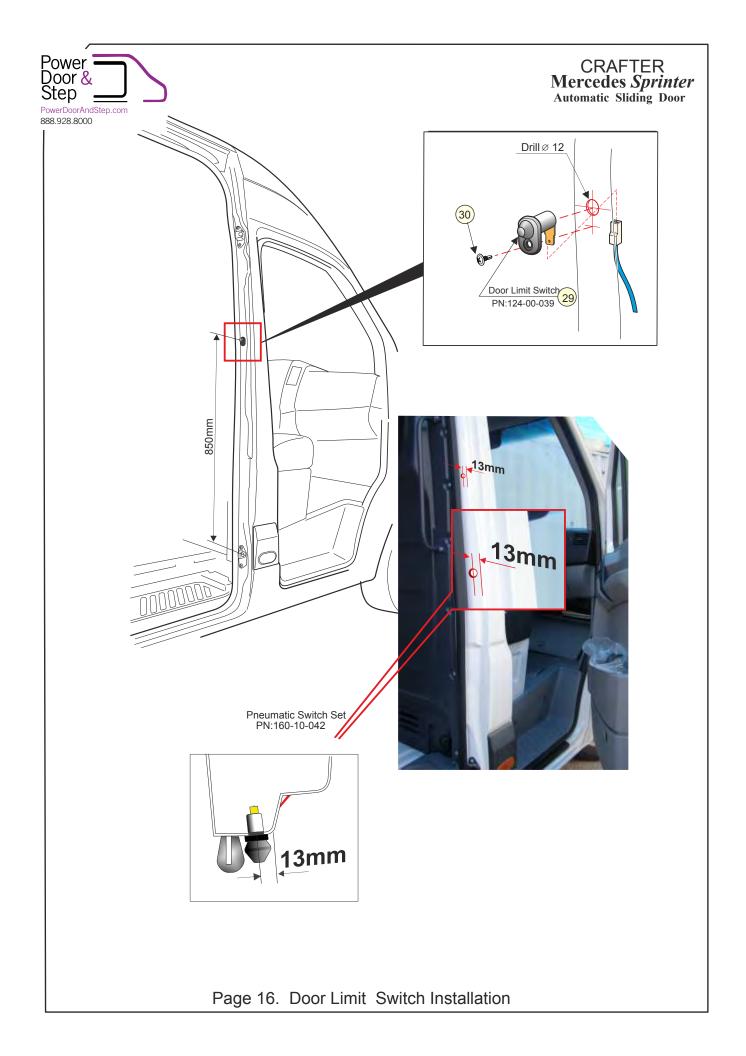


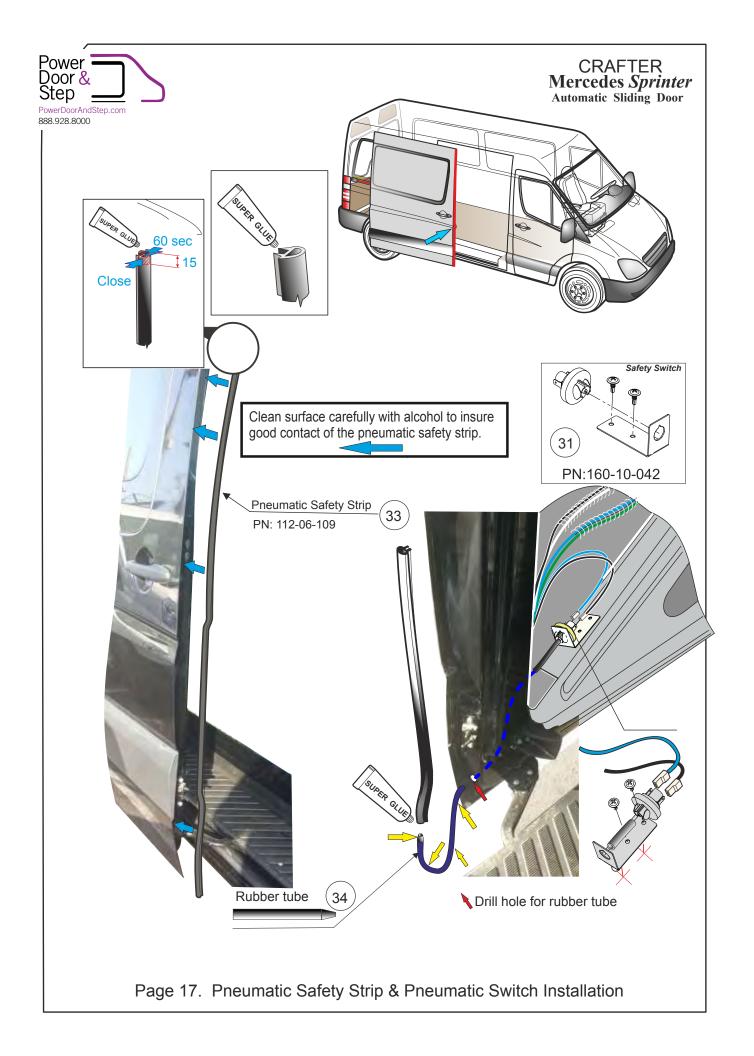
Page 14. Roller Chain Installation

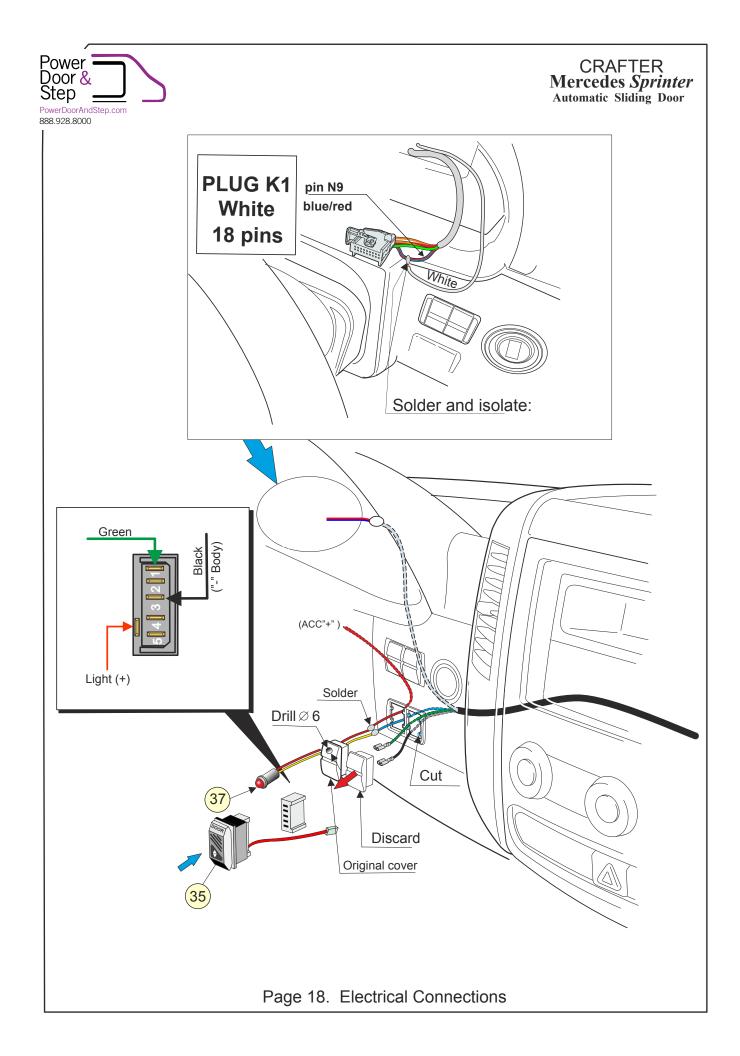




Page 15. Roller Chain Installation







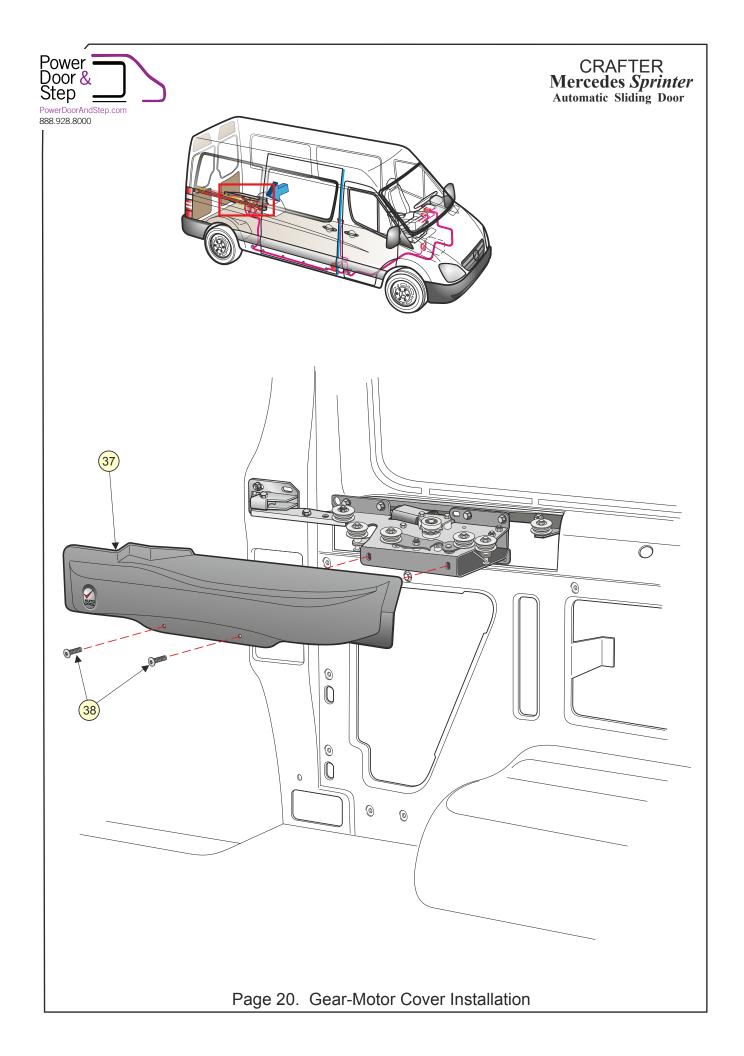






pin N9 blue/red







Parts list of ASD system

No	Designation Part No		Quantity
1	hain Slide strip 134-00-0081		1
2	Flat Head Screw M4X20	613-04-020	1
3	Lock Nut M4	602-02-004	1
4	Gear-Motor Support	111-00-0081	1
5	Thick Washer 6	600-32-061	
6	Bolt M6X16		
7	Washer 6	600-12-080	9
8	Hex flange nut M6 601-06-006		16
9	Gear-Motor ASSY		
10	Front Idler	111-02-017	1
11	Front Idler Support	128-00-008C	1
12	Bolt M6X30	632-06-030	2
13	Idler Wheel	107-11-004-1	1
14	Nut M6	601-02-006	2
15	Lock Nut M6	602-02-006	3
16	Rear Idler 111-02-013		1
17	Socket button bolt M6x16	Socket button bolt M6x16 614-06-016	
18	Chain Holder	128-00-008D or 128-15-030	
19	Roller Chain	Roller Chain 178-00-0081	
20	Connecting link	900-01-072	3
21	Socket button bolt M5X16	614-05-016	1
22	Lock Nut M5 602-02-005		1
23	Cover	151-20-003	1
24	Philips Screw 8X5/8	646-08-058	4
25	Bolt M6X25	6X25 632-06-025	
26	Nut Plastic Cover		
27	Rear Idler Cover	151-10-003	1
28	Hex flange nut M8	601-08-008	2
29	Limit Door Switch		
30	Self Drill Screw 8-1/2" 647-08-003		1
31	neumatic Safety Switch 122-10-047 (160-10-042)		1
32	Rubber Grommet #12 112-04-000		3
33	Pneumatic Safety Strip 112-06-109		2m
34	Rubber Tube		
35	Operating Switch	124-00-026-1	1
36	Signal Light	•	
37	Gear-Motor Cover	153-00-0081	1
38	Flat Head Screw M6X20 632-06-020-1		2
39			1

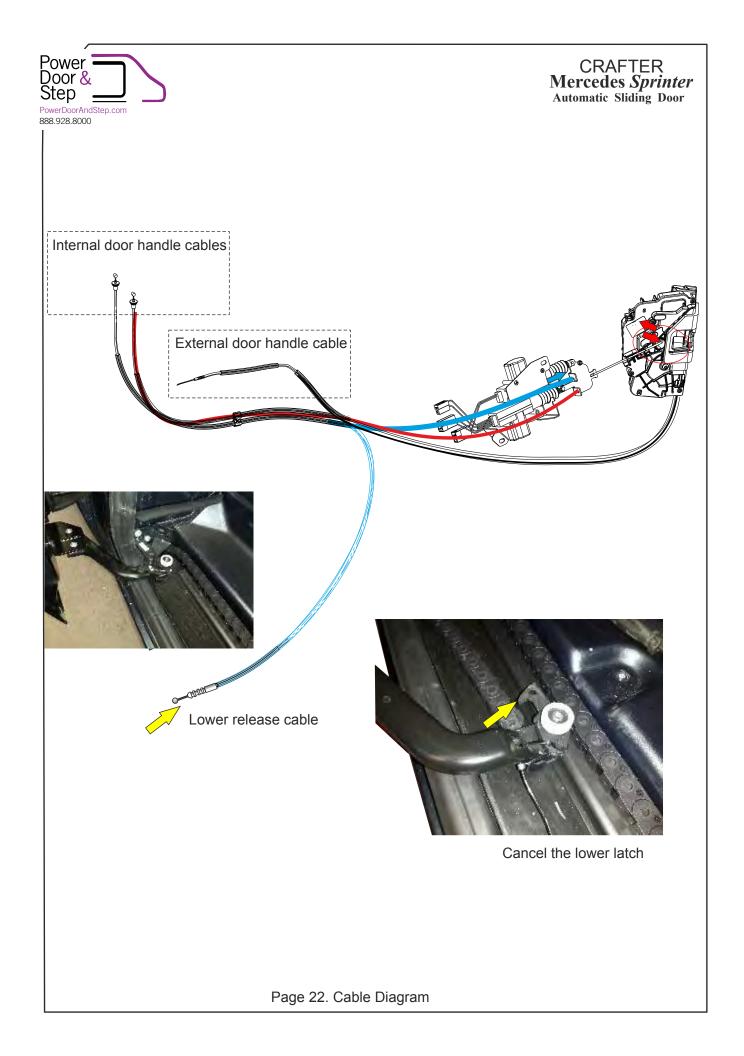






Figure 1. Remove original step



Figure 2.



Figure 3.



Figure 4.

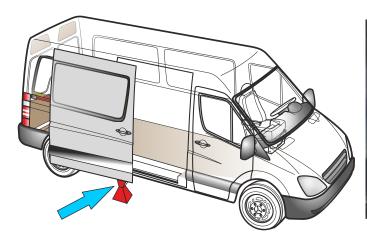


Figure 5.



Make marks position lower roller ASSY screws before disassembling Figure 6.





Figure 1.



Disconnect the cable and move him to a new location



Figure 3.

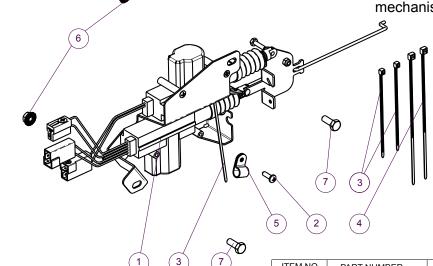


Page 24. Lock Actuator ASSY installation.



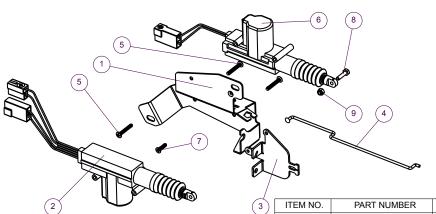
ASD MB Sprinter Original Door latches mechanism & operation with handles

160-15-301



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	111-15-301	MB Sprinter locker bracket ASSY	1
2	646-08-020	Phillips screw 6x3/8"	1
3	125-10-016	Cable strap 100mm	3
4	125-10-014	Cable strap 150mm	2
5	125-10-005	Plastic clamp UC-2 3/8"	1
6	601-06-006	Hex flange nut M6 DIN 6923	2
7	632-06-016	Hex cap screw M6x15	2

MB Sprinter lockers ASSY 111-15-301



)	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	1	128-15-301	Actuator bracket	1
	2 110-01-006-10		Lock actuator ASSY	1
	3 128-15-203		Cables adapter	1
	4	128-36-309	V363: V408 Lock Actuator arm	1
	5	Philips cross Screw 4.2		3
	6	110-11-006	Actuator ASSY	1
	7	647-11-046	Philips cross screw 4-5/8"	1
	8 632-04-016		Hex bolt M4x16, DIN933	1
9 602-02-004		602-02-004	Lock nut M4 DIN985	1

Page 25. Lock Actuator ASSY installation.





Pull off door latch mechanism Figure 1.



Connect inner door handle cable to the new position

Figure 3.



Figure 5.



Figure 7.



Disconnect inner door handle cable Figure 2.

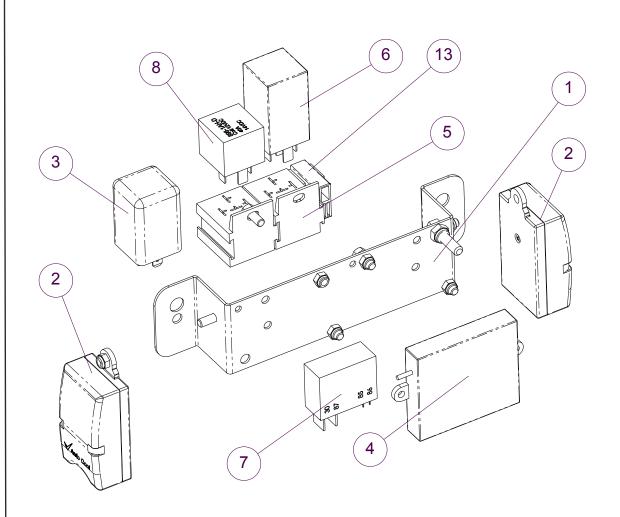


Drill 6.5 mm two holes Figure 4.

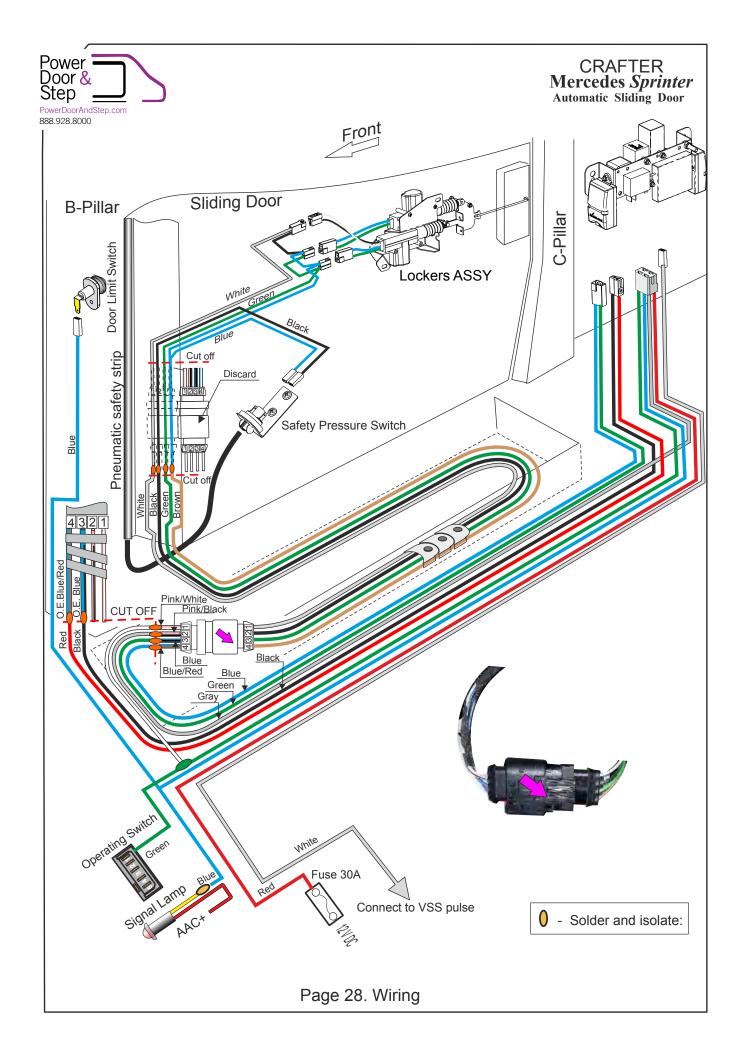


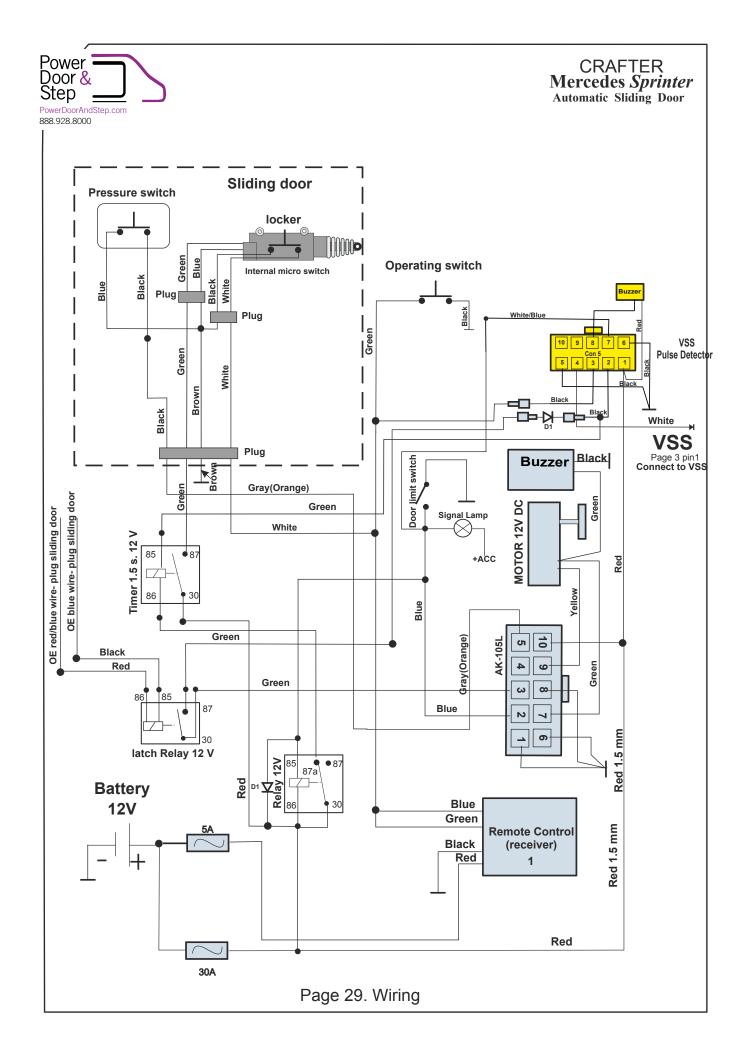
Figure 6.

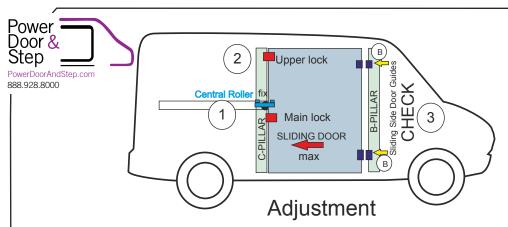




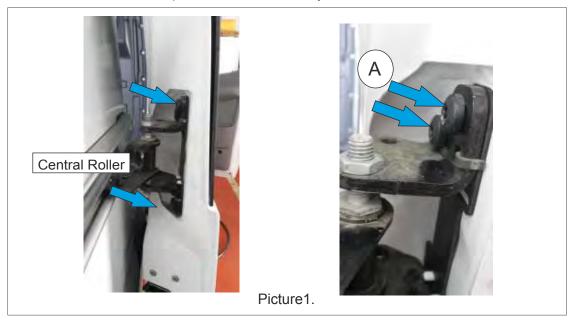
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	128-17-116	Bracket	
2	A-K-101	Control module	3
3	124-00-032		2
4	124-02-006		1
5	124-10-052	CONNECTOR	2
6	123-06-004		1
7	124-12-902	Latch RelayDS12V -60A 250VAC	1
8	124-R2A4		1



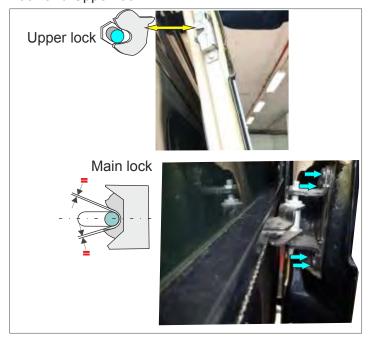




- 1. Adjust the sliding door.
- a. Loosen the 4 screws. see Picture 1.
- b. Move the door max c-pillar direction, relatively to the central roller.



2. Check Main lock and Upper lock



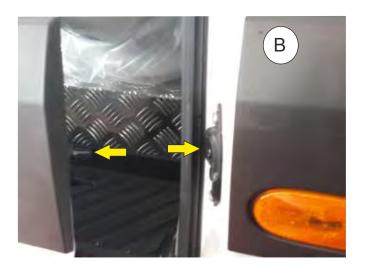
Page.30



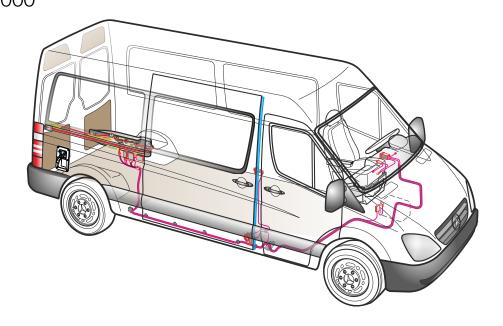


3. Adjust the sliding door guides (parts on the sliding door). See pictures. B





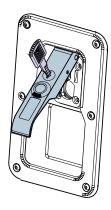


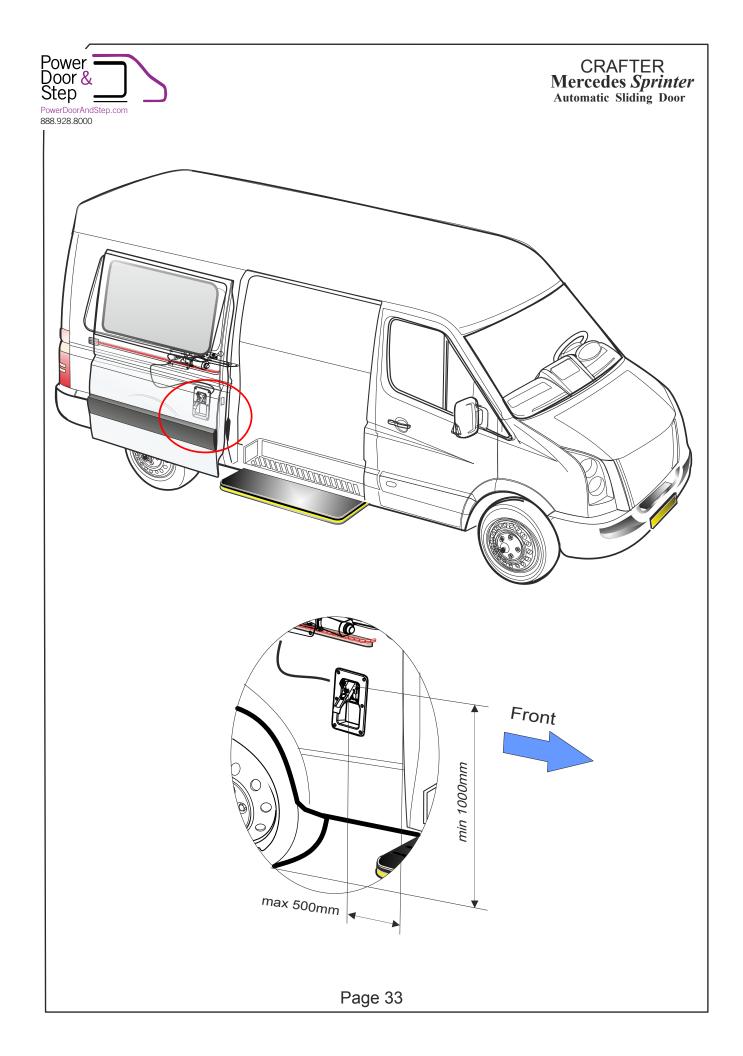


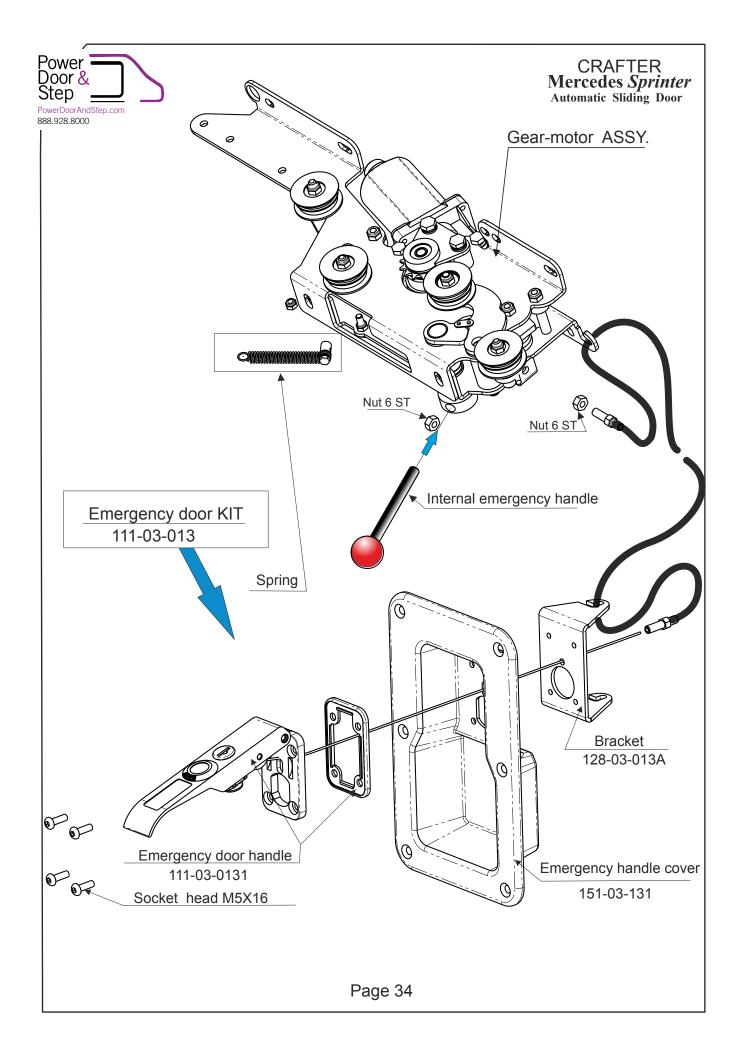
ASD

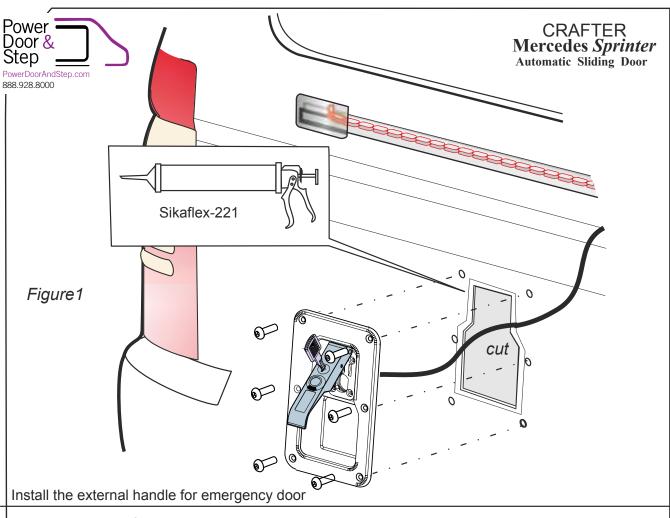
Automatic Sliding Door Emergency door opening kit

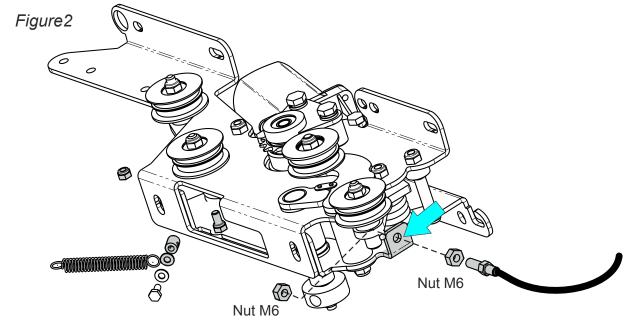
PN: 111-03-013



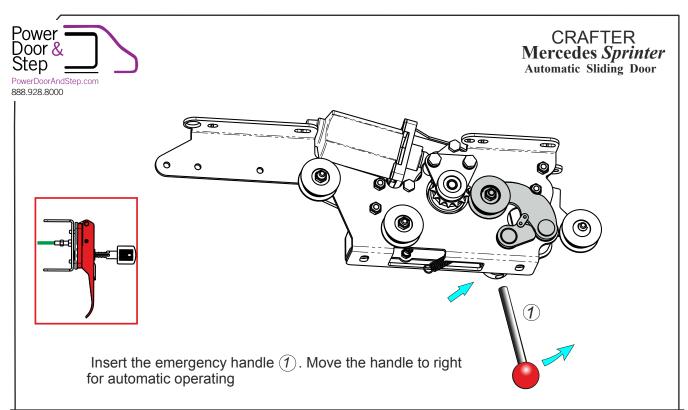


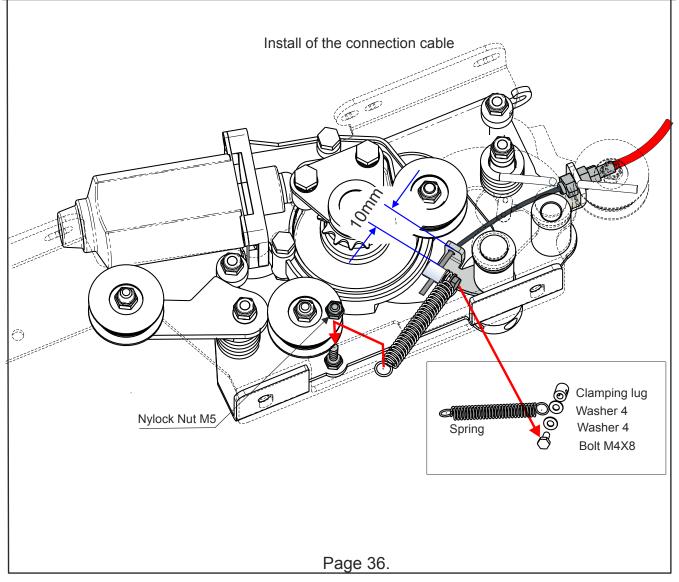


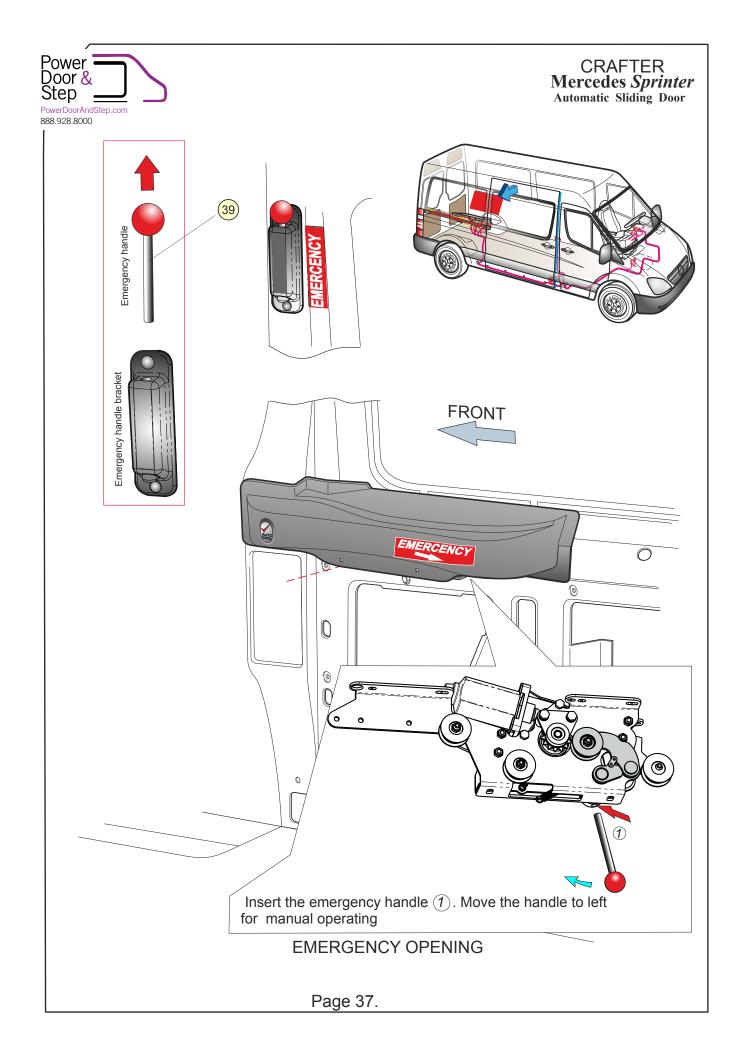


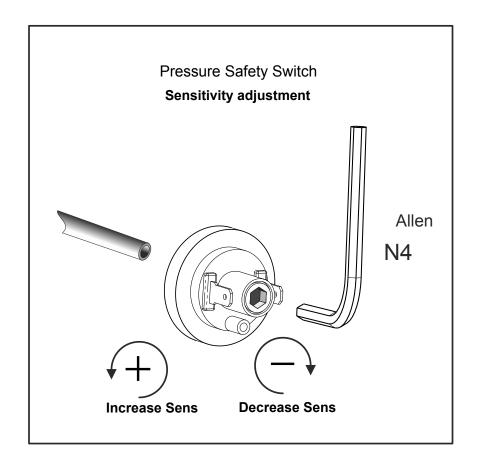


To install the cable: Insert the cable into the hole (see figure 2) fasten nuts M6











RECOMMENDED TORQUE FIGURES (In newton metres)

	8.8	TORQUE Nm	mm	TORQUE Nm
M5		6.3	M5	8
M6		10.3	M6	10
M8		25.4	M8	13



Automatic Sliding Door user's Manual

The Automatic Sliding Door system (ASD) manufactured by Auto Cool Ltd conforms with the requirements of the European regulations. The ASD is approved by the German TUV in Munich, it complies with the EEC DIRECTIVE 72/245EC and obtained the certificate of compliance No 2004/104/EC.

Operation Instructions

The door is operated by a switch located on the dashboard:

To open–press the switch shortly, door opens to the end of its range.

To close - press the switch shortly, door closes and locks.

To change its direction while in motion - press the switch shortly, the door will change direction.

To control the opening range – continuous pressure on the control switch will set the door in motion upon its release, the door will stop.

Visual status indications – when the vehicle's main ignition switch is "on", the indication control light is visible.

Dim light – the door is closed.

Bright light – the door is open.

Audio status indicators – independently of the vehicle's main switch – the vehicle's buzzer is always functioning whenever the door is in closing motion.

Safety measures

The system includes **safety features** to protect the passengers.

Closing – when encountering an obstruction, the controller automatically reverses the door direction to open all the way.

In addition, a pneumatic switch is attached to the front side of door pillar, which upon sensing pressure performs the same function and retracts immediately. **Opening** - when encountering an obstruction, the controller stops the door.

ASD system is connected to the OE VSS device. The door operates only at speed of less than 5 km/h.

Emergency facility

The system has inside and outside (optional) emergency releasing handle. Operating one of them will result in disconnecting the ASD mechanism device and the door will function manually immediately.

Please note:

The system performs automatic reset after the ASD has been disconnected from the power either when replacing the fuse or by disconnecting the Battery.

The system resets itself within two minutes. Please be patient.

ASD: Basic Troubleshooting

- 1. Door does not function.
 - Check main fuse.
 - Check connections of power terminals to the control unit, motor and operating switch.
 - Check Control units AK-105L
 - · Check motor.
- 2. Door does not operate upon commencing the closing mode or when reaching the fully closed positions it reverses.
 - Check the safety pneumatic pressure tube; disconnect the plugs of pressure switch and close the door.
 - If the issue is not solved, try to regulate the sensitivity of the pressure switch.
 - · Check safety switch.
 - Reset the system by extracting the fuse and returning it to its place.
 - Check control unit AK105.
- 3. Door does not close completely.
 - · Check voltage of battery, if low, start the engine.
- 4. Door does not open, although the electrical motor is engaged.
 - Check position of the locker unit, which annuls the OEM locking system of the door.
- 5. Door does not automatically reverse when encountering an obstruction during the closing mode.
 - Check safety pneumatic switch.
 - Check pressure tube & switch.
 - · Check control unit.
- 6. Noise from the door's chain during opening and or closing modes.
 - Check installation and alignment of all wheel supports, front and rear, as well as the gear motor support.
 - Very loose chain may also jump over and cause damage to the sprocket's main motor.
 - Check chain tension and if needed shorten it by removing one or two "links".
 - 7. Remote control unit does not function.
 - Check connection of power terminals.
 - · Check battery of the key unit transmitter.

It issue still persist replace remote control receiver with two transmitters

- 8. If equipped with VSS, the door operates although the vehicle is in motion over 5Km/h.
 - Check connections to the VSS unit.
 - · Check VSS unit.
- 9. Buzzer does not operate during the closing mode.
 - · Check buzzer or replace it.

Please note:

The system performs automatic reset after the ASD has been disconnected from the power either when replacing the fuse or by disconnecting the Battery.

The system resets itself within two minutes. Please be patient.